BARASAT COLLEGE

[Accredited by NAAC]
(Affiliated to West Bengal State University)
in collaboration with IQAC
organizes

Two-week Online Faculty Development Programme
on
"Recent Trends in Life Sciences"

DATE: 7th to 20th September 2020
TIME: 5 – 7 PM (IST)

Mode of FDP
via
Google Meet

Gracious Star Presence

PROF. BASAB CHAUDHURI
Vice Chancellor
West Bengal State University

PROF. NIMAI CHANDRA SAHA
Vice Chancellor
The University of Burdwan

PROF. ASHOKE RANJAN THAKUR
Vice Chancellor
Sister Nivedita University

PROF. SUBRATA KUMAR DEY
Vice Chancellor
Swami Vivekananda University

PROF. ASHIS KR. PANIGRAHI
Pro-Vice Chancellor,
The University of Burdwan

PROF.DEBMALYA BHATTACHARYA
Pro-Vice Chancellor
MIT University of Meghalaya

PROF. BIPLAB GIRI
Registrar
University of Gour Banga

PROF. GOBINDA CH. SADHUKHAN
Professor-Director, UGC-HRDC,
Jadavpur University (Retd.)

Eminent Resource Persons

DR. GOPESWAR MUKHERJEE
Professor & Dean, Allied Health Science Department, Brainware University

DR. VIMAL KISHOR
Dean, School of Education
Central University of Jharkhand

DR. ABHIJIT CHATTERJEE
General Manager
Pharmacology Department, Zydus Research Centre, Zydus Cadila, Ahmedabad

DR. GAUTAM SAHA
Vice-President cum President Elect, IPS
Director, Clinic Brain Neuropsychiatric Institute & Research Centre, Kolkata

DR. ANIRBAN ROY
Principal Scientist
Indian Agricultural Research Institute, New Delhi

DR. SUMAN BANDYOPADHYAY
Head, Upstream Process Development,
Dr. Reddy's Laboratories Ltd.
Hyderabad

DR. DEVANSHU GUPTA
Scientist C
Zoological Survey of India
Kolkata

DR. SWAPAN KUMAR KAR
Ex-Principal, Prasanta Chandra Mahalanobis Mahavidyalaya
Principal of NIMAS, Kolkata

DR. ADITEE MITRA
Research Fellow
School of Earth and Ocean Sciences, Cardiff University
Wales, UK

DR. ANKUR SAXENA
Professor & Head
Department of ICT & Department of AI & DS, Sankalchand Patel University, Visnagar

DR. JOYDEEP CHOWDHURY
Professor
Department of Physics
Jadavpur University

DR. ANUP KUMAR SARKAR
Associate Professor
Department of Botany
West Bengal State University

DR. SHUBHRA GHOSH DASTIDAR
Associate Professor and Scientist
Bose Institute, Kolkata

MS. MOU CHATTERJEE
Principal, Health Economics & Outcomes Research, Global Scientific Services, IQVIA

DR. SUBHANKAR KUMAR SARKAR
Assistant Professor (Stage III)
Department of Zoology
University of Kalyani

MR. SHOUNAK RAY
Cyber Security Specialist
Kolkata, India

DR. BINOD KUMAR MAHTO
Research Associate
TERI-DEAKIN Nanobiotechnology Centre, The Energy and Resources Institute, New Delhi

ORGANIZING BODY

Chief Patron:
***Dr. Aparna Chakraborty** (Joint DPI)*
Administrator, Barasat College

Patron:
Dr. Parthapratim Dasgupta
Principal, Barasat College

Advisory Committee:

Sri Ranjit Kumar Bose
Convenor, IQAC
Dr. Prafulla Kumar Das
HOD, Dept. of Mathematics
Dr. Manik Kumar Sanyal
HOD, Dept. of Physics

Administrative Support:
***Sri Biplab Sanyal** (Head Clerk)*

Program Coordinator:
Dr. Arpita Chatterjee
HOD, Dept. of Botany

Co-Coordinators:
Sri Dipen Biswas
Faculty, Dept. of Commerce
Sri Tirthankar Dalui
HOD, Dept. of Zoology

Working Committee:

Smt. Pinki Dey
Faculty, Dept. of Commerce
Sri Jyotirmoy Shankar Deb
Faculty, Dept. of Zoology
Sri Sumit Mitra
Faculty, Dept. of Botany
Sri Debabrata Pal
Faculty, Dept. of Commerce

ABOUT THE INSTITUTION

Barasat College (Accredited by NAAC) started its journey in the year 1972, under affiliation of University of Calcutta, with the aim to spread education among the adjoining urban and rural areas of Barasat. It is situated at district town Barasat of North 24 Parganas, West Bengal, India. Now this institution is under West Bengal State University from 2008, with 3 major wings: Science, Arts and Commerce.

ABOUT THE PROGRAM

Application of different disciplines of Life Sciences and their interdisciplinary knowledge can lead to recent trend of research in Science and Technology. With the purpose of preparing faculty members with required skills and knowledge, Barasat College pursues this virtual Faculty Development Program on 'Recent Trends in Life Sciences'.

OBJECTIVES OF THE FDP

This FDP aims at equipping faculty members to attain new knowledge, diverse skills, and abilities in many aspects that are essential for inculcating diverse values in students and guiding and monitoring their progress towards career. The program will provide research stimulus to keen learners comprising Scholars, Academicians and Industrialists.

PEDAGOGY

- Virtual Session
- Panel Discussion
- Interaction with the experts in the field of Interdisciplinary Research along with the available opportunity

PROPOSED OUTCOMES

- The participants will be equipped with comprehensive teaching and quality research skills which would help them in their entire journey in academics.
- After attending FDP, participants will get in-depth understanding of research and its implications in decision making process.

WHO CAN APPLY

The program is opened to all faculty members from the AICTE/UGC approved Universities and Colleges/Institutions, research scholars and professionals from industries.

REGISTRATION PROCESS

Participants will be required to be registered by showing interest in the given WhatsApp number and E-mail addresses, and then join WhatsApp group.
There is **NO REGISTRATION FEES**.
Registration will continue on first-come-first-serve basis until the maximum intake (as determined by the Organizing body of the FDP) is met.

EVALUATION & ASSIGNMENTS

- All participants have to attend positively one **MCQ TEST** to be held on 18.09.2020 without fail.
- Participants have to submit **a write-up on 'Recent Trends in Life Sciences'** (within 1000 words) in PDF format on/before 18.09.2020 without fail.

ATTENDANCE & E-CERTIFICATE

- All participants have to ensure **minimum 75% attendance** for E-certificate.
- The participants will be provided E-Certificate after successful completion of the online FDP and full-filling all the assignments.

For any queries please contact:

Program Coordinator: Dr. Arpita Chatterjee
arpita10c@gmail.com, tirthankardalui@gmail.com
WhatsApp number: 9432599529, 9433070756, 9836651971

Program Schedule

Day 1: 7th September 2020

Inaugural Session: (5:00-5:15 PM)

- ***Inaugural speech by Dr. Aparna Chakraborty (Joint DPI), Administrator, Barasat College***
- ***Welcome address by Dr. Parthapratim Dasgupta***
  Principal, Barasat College

Keynote Speaker: (5:15-5:35 PM)

Prof. Basab Chaudhuri

Hon'ble Vice Chancellor, West Bengal State University

Keynote Speaker: (5:35-5:50 PM)

Prof. Ashis Kumar Panigrahi

Pro-Vice Chancellor, The University of Burdwan

Resource Person: (5:50-6:30 PM)

Prof. Debmalya Bhattacharya

Pro-Vice Chancellor, MIT University of Meghalaya

Topic: Liberal Education: Mutable Attitudes in Education

Resource Person: (6:30-7:00 PM)

Dr. Anup Kumar Sarkar

Associate Professor, Department of Botany, West Bengal State University

Topic: In vitro propagation of Albizia procera* Benth. *a medicinal legume through leaflet explants derived from plus tree

Day 2: 8th September 2020

Resource Person: (5:00-6:00 PM)

Dr. Shubhra Ghosh Dastidar

Associate Professor and Scientist, Bose Institute, Kolkata

Topic: Chemical Biology in Cyberspace: Research and Entertainments

Resource Person: (6:00-7:00 PM)

Dr. Vimal Kishor

Head, Department of Education & Dean, School of Education, Central University of Jharkhand, Brambe, Ranchi, Jharkhand

Topic: Blended Learning

Day 3: 9th September 2020

Resource Person: (5:00-7:00 PM)

Prof. (Dr.) Biplab Giri

Registrar, University of Gour Banga &

Professor & Head, Department of Physiology, University of Gour Banga, Malda

Topic: Improving Lifespan: The ways for better living

Day 4: 10th September 2020

Resource Person: (5:00-7:00 PM)

Dr. Abhijit Chatterjee

General Manager, Pharmacology Department, Zydus Research Centre, Zydus Cadila, Ahmedabad

Topic: Cancer: basics to targeted annihilation

Day 5: 11th September 2020

Resource Person: (5:00-7:00 PM)

Dr. Anirban Roy

Principal Scientist, Indian Agricultural Research Institute, New Delhi

Topic: Genome Editing Technology: Historical perspective and its potentiality to revolutionize plant biology

Day 6: 12th September 2020

Resource Person: (5:00-6:00 PM)

Dr. Devanshu Gupta

Scientist C, Zoological Survey of India, Kolkata

Topic: Insects of India: Collection, Preservation and Identification

Resource Person: (6:00-7:00 PM)

Dr. Binod Kumar Mahto

Research Associate, TERI-DEAKIN Nanobiotechnology Centre, The Energy and Resources Institute, New Delhi

Topic: RNAi Technology for Crop Improvement

Day 7: 13th September 2020

Resource Person: (5:00-6:00 PM)

Ms. Mou Chatterjee

Principal, Health Economics & Outcomes Research, Global Scientific Services, IQVIA

Topic: Importance of Real World Evidence in Healthcare

Resource Person: (6:00-7:00 PM)

Mr. Shounak Ray

Cyber Security Specialist, Kolkata, India

Topic: Cyber Crime: Prevention and Awareness

Day 8: 14th September 2020

Resource Person: (5:00-7:00 PM)

Dr. Subhankar Kumar Sarkar

Assistant Professor (Stage III), Department of Zoology, University of Kalyani

Topic: Animal taxonomy and diversity: Morphological vs. Molecular

Day 9: 15th September 2020

Resource Person: (5:00-7:00 PM)

Dr. Aditee Mitra

Research Fellow, School of Earth and Ocean Sciences, Cardiff University, Wales, UK

Topic: Mixoplankton – how did science get it so wrong for so long?

Day 10: 16th September 2020

Resource Person: (5:00-6:00 PM)

Prof. Ashis Kumar Panigrahi

Pro Vice-Chancellor, The University of Burdwan

Topic: Recent Advances in Aquaculture

Resource Person: (6:00-7:00 PM)

Dr. Gautam Saha

Consultant Neuropsychiatrist, Vice-President cum President Elect of Indian Psychiatric Society (IPS); Director, Clinic Brain Neuropsychiatric Institute & Research Centre, Kolkata

Topic: Stress and its management in day-to-day life

Day 11: 17th September 2020

Resource Person: (5:00-6:30 PM)

Dr. Suman Bandyopadhyay

Head, Upstream Process Development, Dr. Reddy's Laboratories Ltd., Hyderabad

Topic: Biological Drugs and Biosimilars

Resource Person: (6:30-7:00 PM)

Dr. Ankur Saxena

Professor & Head, Department of ICT & Department of AI & DS, Sankalchand Patel University, Visnagar

Topic: Human Computer Interaction

Day 12: 18th September 2020

Resource Person: (5:00-6:30 PM)

Dr. Joydeep Chowdhury

Professor, Department of Physics, Jadavpur University

Specialisation in Molecular Spectroscopy

Topic: Surface enhanced Raman Spectroscopy: A Molecular Detective

Evaluation & Submission of Assignment: (6:30-7:00 PM)

- ***All participants have to attend positively one MCQ TEST to be held on 18.09.2020 on 6:30-7:00 PM without fail.***
- ***Participants have to submit an Assignment in the form of a write-up on 'Recent Trends in Life Sciences' (within 1000 words) in PDF format on/before 18.09.2020 without fail.***

  Details of the MCQ test and Assignment will be discussed in details by the Program Coordinator.

Day 13: 19th September 2020

Resource Person: (5:00-5:45 PM)

Dr. Swapan Kumar Kar

Principal of NIMAS; Ex-Principal, Prasanta Chandra Mahalanobis Mahavidyalaya;

Ex-Professor, Techno International (Techno India College of Technology)

Visiting Professor of Techno India University

Topic: Awareness program in light of COVID-19 ***(Contd.)***

(Day 13: 19th September 2020 Contd.)

Keynote Speaker: (5:45-6:15 PM)

Prof. Subrata Kumar Dey

Hon'ble Vice Chancellor, Swami Vivekananda University
Ex-Vice Chancellor, Brainware University
Ex-Vice Chancellor, MAKAUT (formerly West Bengal University of Technology)
Topic: Skill Development for Faculty Members

Resource Person: (6:15-7:00 PM)

Dr. Gopeswar Mukherjee

Professor & Dean, Allied Health Science Department, Brainware University, Kolkata
Ex-Medical Officer In-Charge of Barasat District Hospital Blood Bank, West Bengal
Topic: Organ Donation and Health Awareness

Day 14: 20th September 2020

Keynote Speaker: (5:00-5:20 PM)

Prof. Ashoke Ranjan Thakur

Hon'ble Vice Chancellor, Sister Nivedita University
Ex-Vice Chancellor, Techno India University
Ex-Vice Chancellor, West Bengal State University
Topic: Social Organization of Microbes and Modern Times

Keynote Speaker: (5:20-6:00 PM)

Prof. Nimai Chandra Saha

Hon'ble Vice Chancellor, The University of Burdwan
Topic: Heavy Metal Toxicity in Human

Keynote Speaker: (6:00-6:30 PM)

Prof. (Dr.) Gobinda Chandra Sadhukhan

Professor of Zoology, Professor-Director, UGC-HRDC, Jadavpur University (Retd.)
Topic: Modern Biotechnological Advancements in Human Welfare

Valedictory Session: (6:30-7:00 PM)

- ***Report on the whole conduct of the Faculty Development Programme***
- ***Feedback by the participants***
- ***Vote of thanks by Dr. Parthapratim Dasgupta (Principal, Barasat College)***
- ***Distribution of Certificates***

Welcome you all